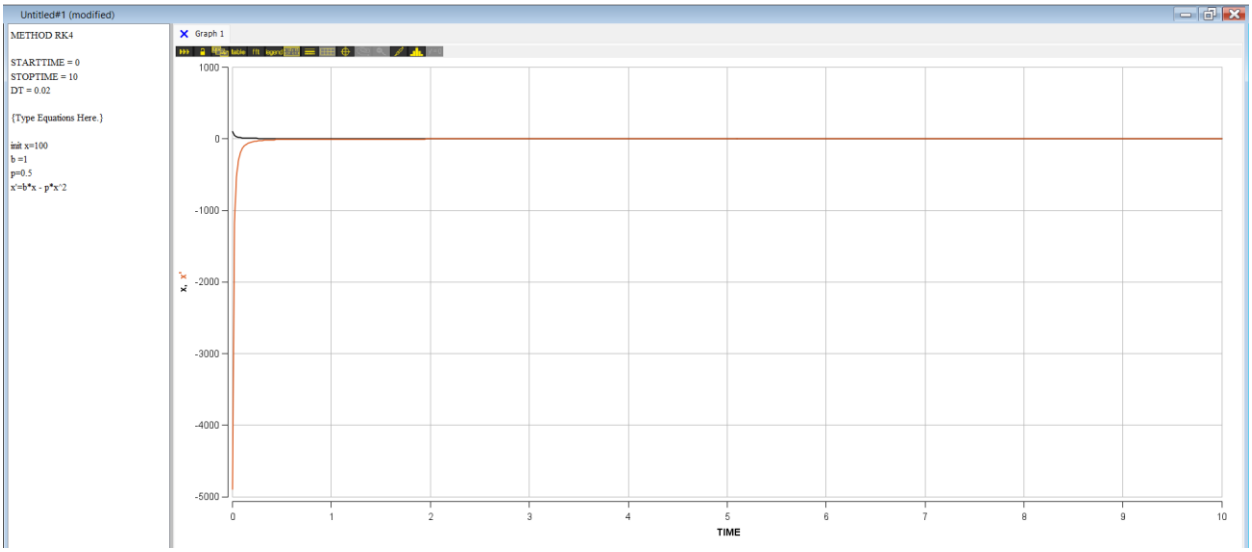
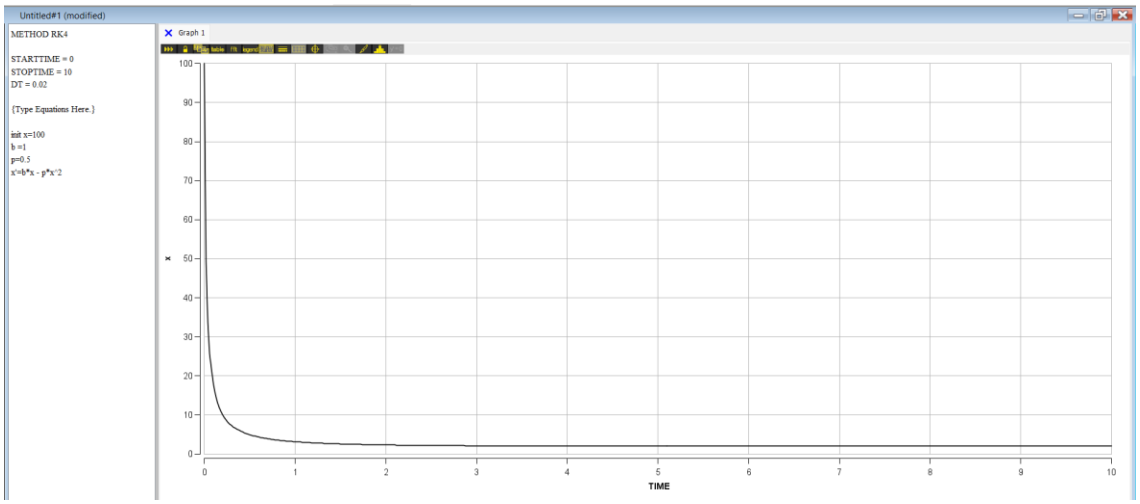
Procedure (Part 2)

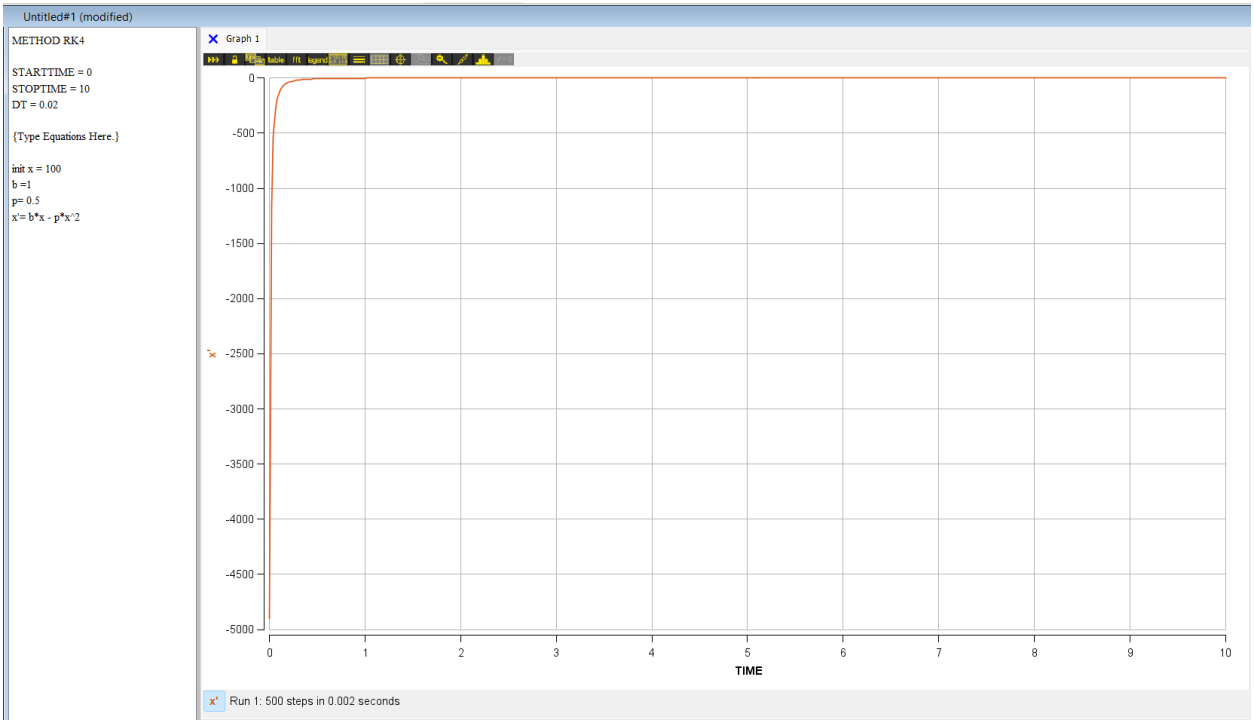
1) Implement the previous model (bacterial growth) by Berkeley Madonna.



2) Solve the diff. equation by sketching the curve of the bacterial number x vs. Time.



X vs. Time

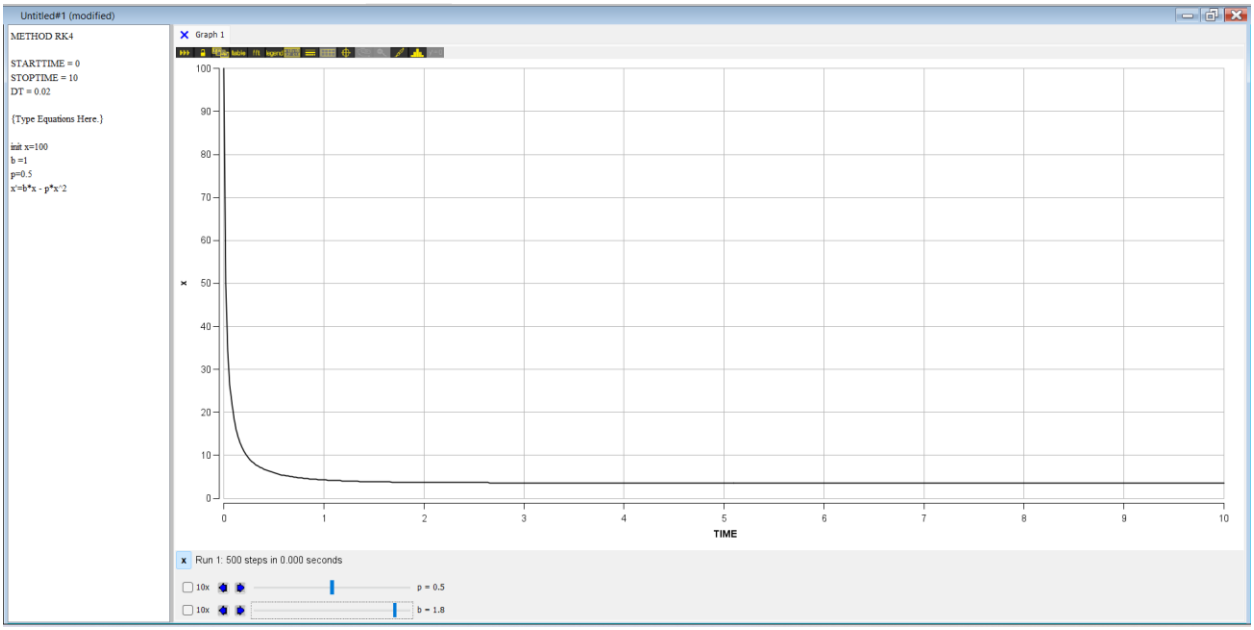


X' vs. Time

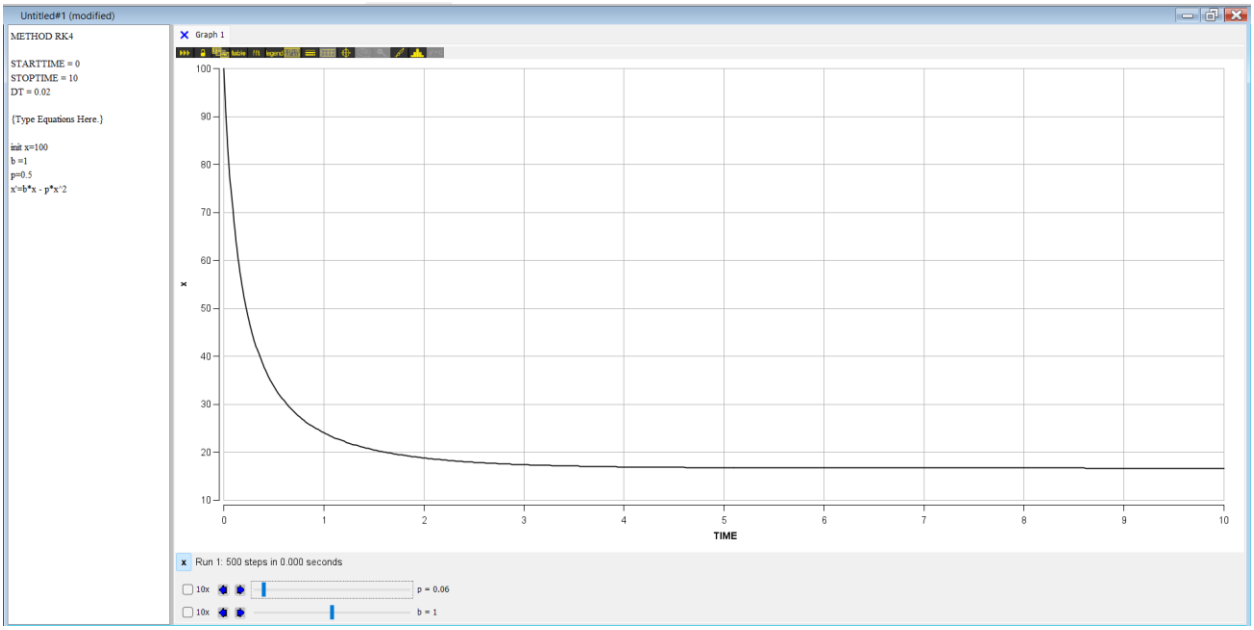
4) To which parameter is the model more sensitive: b or p? Why?

It's more sensitive to p.

The first picture shows that when we change the value of b without changing p, there's no change in the output, however when we change p and keep b as its original value there is a noticeable change as shown in the second picture.



(pic 1: change in b)



(pic 2: change in p)